## APPLICATION FOR PERMIT

## TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Returned to application filed	Date of filing in State Engineer's Office. 2 1984		
The applicant. Agri-Technology. Corporation c/o Neal Townsend. #10 Julian Lane	Ret	urned to applicant for correction	
The applicant. Agri-Technology, Corporation c/o Neal Townsend  #10 Julian Lane Stree and No. or P.O. Bios No.  Mevada 89447 Agrication of P.O. Bios No.  Metada 89447 Agrication of P.O. Bios No.  Metada 89447 Agrication of P.O. Bios No.  Materia of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.)  Incorporated in Nevada - November 18, 1971  1. The source of the proposed appropriation is Underground (Geothermal with reinjection well).  Name of stream, lake, spring, underground or other source  2. The amount of water applied for is 1.7 C. f. f. S.  Second-feet One stream lake, spring, underground or other source  3. The water to be used for Industrial 8 Donestic Second-feet  (a) If stored in reservoir give number of acre-feet.  If use is for:  (a) Irrigation, state number of acres to be irrigated.  (b) Stockwater, state number of acres to be irrigated.  (c) Other use (describe fully under "No. 12. Remarks"  (d) Power:  (1) Horsepower developed.  (2) Point of return of water to stream.  5. The water to be diverted from its source at the following point NE£ SE£ Section 16, T. 15N. **, R. 25E*, M. D. B. &N., or at a point from which the E2 corner of said Section 16 bears. North marks, and by course and distance to a section corner. If or unsurveyed lack, it moud be so stated with a section of positions of your diversion of stores by begin subdivision. If no unsurveyed lack, it should be no stated to see the provisions of your diversion of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) geothermal well p. pump and motor, turbine, State manner in which water is a be diverted, i.e. deversion structure, disches and possition with with pump and motor, states and possition with with pump and motor.	Cor	rected application filed	
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survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.  63° 26' 06" East, 447.2 feet.  6. Place of use N½ NW¼ SW½ Section 15; N½ N½ SE¼, N½ N½ SE¼ Section 16; T.15N  Describe by legal subdivision. If on unsurveyed land, it should be so stated.  R.25E., M.D.B.&M., East of Alt. U.S. 95.  7. Use will begin about. January 1 and end about December 31 honth and Day Month and Day  8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) geothermal well, pump and motor, turbine,  State manner in which water is to be diverted, i.e, diversion structure, ditches and possible regulating reservoir and reinjection well with pump and motor  flumes, drilled well with pump and motor, etc.	5.	The water is to be diverted from its source at the following point NE1 SE1 Section 16, T.15N., R.25E.	
R.25E., M.D.B.&M., East of Alt. U.S. 95.  7. Use will begin about. January 1 and end about December 31 north and Day Month and Day Month and Day Month and Day Month and Day and end about December 31 north and Day Month and Day Becifications of your diversion or storage works.) Geothermal well, pump and motor, turbine, State manner in which water is to be diverted, i.e. diversion structure, ditches and possible regulating reservoir and reinjection well with pump and motor		survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.	
R.25E., M.D.B.&M., East of Alt. U.S. 95.  7. Use will begin about January 1 and end about December 31 of each year.  Month and Day Month and Day Month and Day  8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) geothermal well, pump and motor, turbine,  State manner in which water is to be diverted, i.e. diversion structure, ditches and possible regulating reservoir and reinjection well with pump and motor	6.	Place of use N\frac{1}{2} NW\frac{1}{4} SW\frac{1}{4} Section 15; N\frac{1}{2} N\frac{1}{2} SE\frac{1}{4}, N\frac{1}{2} NE\frac{1}{4} SW\frac{1}{4} Section 16; \text{T.15N.},	
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possible regulating reservoir and reinjection well with pump and motor flumes, drilled well with pump and motor, etc.	8.		
possible regulating reservoir and reinjection well with pump and motor flumes, drilled well with pump and motor, etc.		specifications of your diversion or storage works.) geothermal well, pump and motor, turbine,  State manner in which water is to be diverted, i.e. diversion structure, dirches and	
• • •	p	ossible regulating reservoir and reinjection well with pump and motor	
	9.		

10.	). Estimated time required to construct works 1 year  If well completed, describe works.	
11.	Estimated time required to complete the application of water to beneficial use 5. years	
12.	Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.	
	The purpose of this application is to appropriate heat from a geothermal resource.	
	A second well is to be drilled within the same 40 acre subdivision for reinjection	
	purposes. All water, after running through a lowhead turbine, will be reinjected.	
	Please use map filed to support Application #47586.	
Co	Bys/Bruce R. Scott  Bruce R. Scott, Resource Concepts, Inc.  bc/bl 340 North Minnesota Street  Carson City, Nevada 8970;	
Pro	otested.	
	APPROVAL OF STATE ENGINEER	
foll	This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the lowing limitations and conditions:	
tha and of of well level sub, and are to not from	owance and that the final right obtained under this permit will be dependent in the amount actually placed to beneficial use. It is also understood to this right must allow for a reasonable decrease of fluid pressure heat. The well shall be equipped and maintained to prevent any waste the geothermal fluid. Accurate measurements must be kept of discharge the production well and the amount of fluid injected into the injection of the total amount of fluid consumed for a beneficial use. The production and injection well are to be cemented from the producing els to the surface to protect fresh water zones. This permit is issued ject to the condition that only geothermal fluids are to be diverted used beneficially for heating purposes and fresh, cold water aquifers not to be diverted. The used geothermal fluids are to be returned the source via the injection well. The issuance of this permit does waive the requirements that the permit holder obtain other permits in State, Federal and local agencies. (CONTINUED ON PAGE 2)  The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and	
not	to exceed	
Wo	ork must be prosecuted with reasonable diligence and be completed on or beforeDEGEMBER-31-;1986	
Pro	pof of completion of work shall be filed before	
_	plication of water to beneficial use shall be made on or before	
Pro	oof of the application of water to beneficial use shall be filed on or before JANUARY 31, 1989	
Ma	ap in support of proof of beneficial use shall be filed on or before.	
Cor	mpletion of work filed	
Pro	oof of beneficial use filed	
Cul	ltural map filed	
Cer	rtificate No	
-	State Engineer	
	1 -1-106	

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Page 2 Permit 47645

## PERMIT TERMS CONTINUED

A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit des-

An annual report for this well must be filed under this permit describing the amount of geothermal fluid consumed to a beneficial use for the calendar year. This report must also detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 1230.74 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 10% of the volume withdrawn annually.

The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto.

This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the state of Nevada when the need arises.